

mernational application No.

PCT/US03/23606

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : H01L 23/18, 27/16, 35/00, 35/28 US CL : 257/930; 148/33; 136/200, 201; 62/3.2; 438/54		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
U.S. : 257/930; 148/33; 136/200, 201; 62/3.2; 438/54		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Chemical Abstract		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
Inspect, IEEE Online, EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.
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28, 30-32		· ·
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Further documents are listed in the continuation of Box C.	C	
Special categories of cited documents:	See patent family annex.	
	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the	
"A" document defining the general state of the art which is not considered to be of particular relevance	principle or theory underlying the inve	
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the	claimed invention cannot be
the state of the s	considered novel or cannot be conside when the document is taken alone	acu us invoive an inventive step
establish the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	claimed invention cannot be
specified)	considered to involve an inventive stell combined with one or more other such	p when the document is
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th	e an
"P" document published prior to the international filing date but later than the	"&" document member of the same patent	family
priority date claimed		· ·
Date of the actual completion of the international search	Date of mailing of the international gearch 19AN 2004	
03 December 2003 (03.12,2003)		
Name and mailing address of the ISA/US	Authorized officer	
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